

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Kevin Jeffrey Barnham et al. **Examiner:** D. Margaret M. Seaman
Serial No.: 10/521,902 **Filed:** August 10, 2005
Patent No.: 7,619,091 **Granted:** November 17, 2009
For: 8-HYDROXY QUINOLINE DERIVATIVES **Docket:** 18583
Confirmation No.: 7111 **Dated:** December 13, 2010

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF CORRECTION REQUEST UNDER 37 C.F.R. §1.322

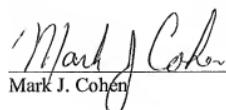
Sir :

Patentees request that that claim 1 should be corrected per the attached claim amendment and request a Certificate of Correction to issue. The error in the claim 1 arose from the transmission of claim 1 that was presented as an Examiner's Amendment in the Notice of Allowability dated August 26, 2009, which inadvertently omitted the definitions of R¹³ and R¹⁴. The definition of R¹³ and R¹⁴ was recited in original claim 1, lines 20-22 and is described on page 6, lines 1-5 of the instant specification.

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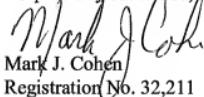
Dated: December 13, 2010



Mark J. Cohen

The issuance of a Certificate of Correction is respectfully requested.

Respectfully submitted,

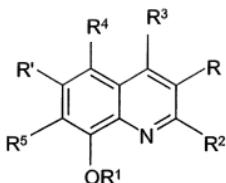

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MJC:ae
Enclosed: claim 1 amended

Claim 1:

1. A compound of the formula



I

or pharmaceutically acceptable salts, thereof in which

R¹ is H;

R² is; optionally substituted phenyl; optionally substituted naphthyl; optionally substituted tetrahydronaphthyl; optionally substituted biphenyl; optionally substituted heterocyclyl; COR⁶; CSR⁶; CN; (CH₂)NR⁹R¹⁰; HCNOR⁹; HCNNR⁹R¹⁰; OR¹¹; SR¹¹; NR¹¹R¹² or SO₂NR¹³R¹⁴; in which R¹³ and R¹⁴ are either the same or different and selected from H, optionally substituted alkyl, optionally substituted alkenyl, optionally substituted aryl or optionally substituted heterocyclyl; and

R⁶ is H, C₁₋₆ alkyl, optionally substituted C₂₋₆ alkenyl, hydroxy, optionally substituted aryl, optionally substituted heterocyclyl, SR⁷ or NR⁷R⁸;

R⁷ and R⁸ are either the same or different and selected from H, optionally substituted C₁₋₆ alkyl, optionally substituted C₂₋₆ alkenyl, optionally substituted aryl and optionally substituted heterocyclyl;

R^9 is H, optionally substituted C_{1-6} alkyl, optionally substituted C_{2-6} alkenyl, optionally substituted aryl or optionally substituted heterocyclyl;

R^{10} is hydrogen, methyl, propyl, isopropyl, butyl, isobutyl, sec-butyl, tert-butyl, pentyl, neopentyl, hexyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, optionally substituted C_{2-6} alkenyl, optionally substituted aryl or optionally substituted heterocyclyl;

R^{11} is H, optionally substituted C_{1-6} alkyl, optionally substituted C_{2-6} alkenyl, optionally substituted aryl or optionally substituted heterocyclyl or together with R^{12} form optionally substituted heterocyclyl;

R^{12} is optionally substituted C_{1-6} alkyl, optionally substituted C_{2-6} alkenyl, optionally substituted aryl or optionally substituted heterocyclyl or together with R^{11} form optionally substituted heterocyclyl;

R^3 , R and R' are either the same or different and selected from H, optionally substituted C_{1-6} alkyl, optionally substituted C_{2-6} alkenyl, optionally substituted C_{1-6} alkoxy, optionally substituted acyl, hydroxy, optionally substituted amino, optionally substituted thio, optionally substituted sulphonyl, optionally substituted sulphinyl, optionally substituted sulphonylamino, halo, SO_3H , amine, CN, CF_3 , optionally substituted aryl and optionally substituted heterocyclyl; and

R^4 and R^5 are chloro,

wherein the optional substituent is C_{1-6} alkyl, CF_3 , fluorine, chlorine, iodine, cyano, C_{1-6} alkoxy, 5 or 6-membered aryl, heteroaryl, amino or C_{1-6} alkylamino.

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CERTIFICATE OF CORRECTION**

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PATENT NO. : 7,619,091

APPLICATION NO.: 10/521,902

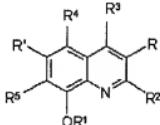
ISSUE DATE : November 17, 2009

INVENTOR(S) : Kevin Jeffrey Barnham et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claim 1 should be corrected as follows:

1. A compound of the formula



or pharmaceutically acceptable salts, thereof in which

R1 is H;

R2 is; optionally substituted phenyl; optionally substituted naphthyl; optionally substituted tetrahydronaphthyl; optionally substituted biphenyl; optionally substituted heterocycl; COR6; CSR6; CN; (CH2)NR9R10; HCNR9; HCNNR9R10 ; OR11; SR11; NR11R12 or SO2NR13R14; in which R13 and R14 are either the same or different and selected from H, optionally substituted alkyl, optionally substituted alkenyl, optionally substituted aryl or optionally substituted heterocycl; and

R6 is H, C1-6 alkyl, optionally substituted C2-6 alkenyl, hydroxy, optionally substituted aryl, optionally substituted heterocycl, SR7 or NR7R8;

R7 and R8 are either the same or different and selected from H, optionally substituted C1-6 alkyl, optionally substituted C2-6 alkenyl, optionally substituted aryl and optionally substituted heterocycl;

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PATENT NO. : 7,619,091

APPLICATION NO.: 10/521,902

ISSUE DATE : November 17, 2009

INVENTOR(S) : Ken Jeffrey Barnham et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claim 1 continued

R9 is H, optionally substituted C1-6 alkyl, optionally substituted C2-6 alkenyl, optionally substituted aryl or optionally substituted heterocycl;

R10 is hydrogen, methyl, propyl, isopropyl, butyl, isobutyl, sec-butyl, tert-butyl, pentyl, neopentyl, hexyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl,

optionally substituted C2-6 alkenyl, optionally substituted aryl or optionally substituted heterocycl;

R11 is H, optionally substituted C1-6 alkyl, optionally substituted C2-6 alkenyl, optionally substituted aryl or optionally substituted heterocycl or together with R12 form optionally substituted heterocycl;

R12 is optionally substituted C 1-6 alkyl, optionally substituted C2-6 alkenyl, optionally substituted aryl or optionally substituted heterocycl or together with R11 form optionally substituted heterocycl;

R3, R and R' are either the same or different and selected from H, optionally substituted C1-6 alkyl, optionally substituted C2-6 alkenyl, optionally substituted C1-6 alkoxy, optionally substituted acyl, hydroxy, optionally substituted amino, optionally substituted thio, optionally substituted sulphonyl, optionally substituted sulphinyl, optionally substituted sulphonylamino, halo, SO₃H, amine, CN, CF₃, optionally substituted aryl and optionally substituted heterocycl; and

R4 and R5 are chloro,
wherein the optional substituent is C1-6 alkyl, CF₃, fluorine, chlorine, iodine, cyano, C1-6 alkoxy, 5 or 6-membered aryl, heteroaryl, amino or C1-6 alkylamino.

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